March 26, 2002

Mr. James Helm
Wabash Technologies
P.O. Box 829
Huntington, Indiana 46750-0829

Re: 069-15160
Notice only change to
Registration 069-7272-00054

Dear Mr. Helm:

Wabash Magnetics was issued a Registration on January 27, 1997 for a sensor manufacturing process. A letter notifying the Office of Air Quality of a name change and the addition of units was received on December 17, 2001. Pursuant to the provisions of 326 IAC 2-6.1-6, the registration is hereby revised as follows:

1. Wabash Magnetics has changed their name to Wabash Technologies .

2. In addition to the existing permitted units, the following units are being added:

   (a) Two (2) sensor production lines consisting of material mixing, coil winding, injection presses, lead preparation, final assembly, inspection, packing and shipping, with a maximum production rate of 504 pounds per hour of sensors.

   (b) One (1) Maxi-Blast Mold Cleaning System with a maximum plastic resin usage of 94 pounds per hour per nozzle. The systems are operating pneumatically and enclosed.

   (c) One (1) Element Manufacturing Area. This area consists of six (6) electric ovens.

   (d) One (1) Compound Room. This area consists of four (4) epoxy pill making machines, one (1) grinding process, one (1) mixer, and two (2) MICRO AIR Dust Collectors (Model RP8) with a collection efficiency of 97.5%. Electric motors power the dust collectors.

All other conditions of the Registration shall remain unchanged and in effect. The addition of these units does not increase the potential emissions beyond the registration level.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. Pursuant to Contract No. A305-0-00-36, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Alicia Rivenbark, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7902 to speak directly to Ms. Rivenbark. Questions may also be directed to Duane Van Laningham at IDEM, OAQ,

100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027, press 0 and ask for Duane Van Laningham, or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original Signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
ERG/AR

cc: File-Huntington County
USA EPA, Region V
Huntington County Health Department
Air Compliance Section Inspector - Ryan Hillman
Compliance Data Section - Karen Nowak
Administrative and Development - Sara Cloe
Technical Support and Modeling - Michele Boner

March 26, 2002

Mr. James Helm
Wabash Technologies
P.O. Box 829
Huntington, Indiana 46750-0829

Re: 069-15160
Revised Registration
069-7272-00054

Dear Mr. Helm:

The application from Wabash Technologies, received on November 25, 1996, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following facilities used to manufacture sensors for engines, brakes, or wheel/speed controls located at 1375 Swan Street, Huntington, Indiana, is classified as registered:

(a) Nine (9) sensor production lines consisting of material mixing, coil winding, injection presses, lead preparation, final assembly, inspection, packing and shipping, with a maximum production rate of 504 pounds per hour of sensors.

(b) One (1) silica silo with a storage capacity of 45 tons, using a baghouse to control the particulate matter (PM) emissions.

(c) Three (3) Maxi-Blast Mold Cleaning System with a maximum plastic resin usage of 94 pounds per hour per nozzle. The systems are operating pneumatically and enclosed.

(d) Several small natural gas fired heaters, with a total heat input capacity of 4.8 MMBtu per hour.

(e) One (1) Element Manufacturing Area. This area consists of six (6) electric ovens.

(f) One (1) Compound Room. This area consists of four (4) epoxy pill making machines, one (1) grinding process, one (1) mixer, and two (2) MICRO AIR Dust Collectors (Model RP8) with a collection efficiency of 97.5%. Electric motors power the dust collectors.

The following conditions shall be applicable:

1. Pursuant to 326 IAC 5-1-2 (Opacity Limitations) except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following:

   (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

   (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.

2. Pursuant to 326 IAC 6-3-2 (Process Operations),

   (a) Particulate matter (PM) emissions from the silica silo shall not exceed the allowable PM emissions rate of 0.21 pound per hour, and

   (b) Particulate matter (PM) emissions from the three (3) blasting systems shall not each exceed the allowable PM emission rate of 0.53 pounds per hour.

3. Any change or modification which may increase the potential VOC emissions to 25 tons per year or more from the equipment covered in this registration must be approved by the Office of Air Quality (OAQ) before such change may occur.

This registration is a revised registration issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3)). The annual notice shall be submitted to:

Compliance Branch
Office of Air Quality
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Original Signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

ERG/AR

cc: File - Huntington County
Huntington County Health Department
Air Compliance - Ryan Hillman
Permit Tracking - Sara Cloe
Technical Support and Modeling - Michele Boner
Compliance Branch - Karen Nowak

Registration
Annual Notification

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

Company Name:	**Wabash Technologies**
Address:	**1375 Swan Street**
City:	**Huntington, Indiana 46750**
Authorized individual:	**James Helm**
Phone #:	**(219) 355-4100**
Registration #:	**069-7272-00054**

I hereby certify that Wabash Technologies is still in operation and is in compliance with the requirements of Registration 069-7272-00054.

Name (typed):
Title:
Signature:
Date:

Wabash Technologies
Swan Street Facility
Potential-to-Emit (PTE) of Modifications

Modifications	PTE PM (tpy)	PTE VOC (tpy)	PTE CO (tpy)	PTE NO_x (tpy)	PTE SO_2 (tpy)	PTE Combined HAP (tpy)
1 Sensor Production Lines	0	3.01	0	0	0	1.46
1 Sensor Production Lines	0	3.01	0	0	0	1.46
2 MICRO Air Dust Collectors	0	0	0	0	0	0
6 Ovens in Element Manufacturing Area	0	0.04	0	0	0	0.02
4 Epoxy Pill Making Machines	2.68	0.39	0	0	0	0.03
1 Grinding Process	2.68	0.39	0	0	0	0.03
1 Mixer	2.68	0.39	0	0	0	0.03
1 Maxi-Blast Mold Cleaning System	4.14	0	0	0	0	0

Wabash Technologies
Swan Street Facility
Source Actual and Potential Emissions

ACTUAL EMISSIONS w/ CONTROLS

Pollutant	Production Lines (tpy)	Element Manufacturing (tpy)	Compound Room (tpy)	Silica Sand Handling (tpy)	Maxi-Blast Mold Cleaning Systems (tpy)	Combustion Units (tpy)	Totals (tpy)	Totals (lbs/day)
PM			0.20	0.13	1.24	0.02	1.59	8.70
VOC	11.40	0.033	0.66			0.01	12.11	66.36
CO						0.04	0.04	0.23
NO_x						0.20	0.20	1.10
SO_2						0.001	0.001	0.01
Combined HAP	2.86	0.017	0.05				2.92	16.00

POTENTIAL EMISSIONS

Pollutant	Production Lines (tpy)	Element Manufacturing (tpy)	Compound Room (tpy)	Silica Sand Handling (tpy)	Maxi-Blast Mold Cleaning Systems (tpy)	Combustion Units (tpy)	Totals (tpy)	Totals (lbs/day)
PM			8.05	0.23	12.40	0.25	20.93	114.69
VOC	20.01	0.038	1.17			0.11	21.33	116.85
CO						0.44	0.44	2.42
NO_x						2.10	2.10	11.52
SO_2						0.01	0.01	0.07
Combined HAP	5.01	0.020	0.08				5.12	28.03

client# 1974

Wabash Technologies
Swan Street Facility
VOC and HAP Emissions

CS MSDS #	Internal Part #	Product Name	Manufacturer	Product Category	Storage Location	2000 Usage (lbs)	2000 Usage (gal)	Sp. Gr.	Density (lb/gal)	VOCs			
										VOC wt%	Flash Off %	Actual VOC Emis (tpy)	Potential VOC Emis (tpy)
	Compound Room: Pill Manufacturing												
8	12-00001-0006	D.E.R. 330 Epoxy Resin	Dow Chemical	Epoxy	Resin Tanks	352700		1.16	9.68	0.1%	100%	0.18	0.31
9	12-00001-0007	Araldite DY 023 Epoxy Resin Reactive Diluent	Ciba-Geigy Corp	Epoxy Additive	Compound Room	880		1.10	9.18	0%	100%	0.00	0.00
10	12-00001-0026	Epon Epoxy Resin 8280	Shell Oil	Epoxy	Compound Room	2000		1.17	9.76	0.197%	100%	0.00	0.00
16	12-00002-0008	D.E.H. 24 Epoxy Curing Agent	Dow Chemical	Curing Agent	Compound Room	882		0.98	8.15	100%	100%	0.44	0.77
52	12-0006-0006	GP 5833 Epoxy Hardener, BRWE-5833	Georgia-Pacific Resins	Curing Agent	Compound Room	4500		1.20	10.01	2%	100%	0.05	0.08
										TOTALS		**0.66**	**1.17**
	9 Production Lines												
67	12-00113-0024	94-003 Dispersion Coating	Dow Corning	Coating	Central Stores	416		1.04	8.68	52%	100%	0.11	0.19
86	12-00130-0001/0002	PTA Amodel 1133HS 025.00.1 Yellow	Holden-Clariant Masterbatches	Colored Pellets	Raw Materials Warehouse	11901		1.25	10.43	0%	100%	0.00	0.00
88	15-01001-0002/0010	1544 Rosin Soldering Flux	Kester Solder	Soldering Flux	Central Stores	231		0.93	7.73	50%	100%	0.06	0.10
97	15-02002-0002	IPA - Anhydrous	Exxon Chemical	Solvent	Solvent Shed	6878		0.79	6.59	100%	100%	3.44	.6.03
101	15-02002-0012	Methyl Ethyl Ketone	Exxon Chemical	Solvent	Solvent Shed	1378		0.81	6.76	100%	100%	0.69	1.21
108	15-02002-0038	SP-731 Solvent Blend	Chemical Solvents	Solvent	Compound Room	918		1.00	8.35	100%	100%	0.46	0.81
109	15-02002-0039	H-608-C Solvent	Chemcentral	Solvent	Central Stores	102		0.82	6.86	100%	100%	0.05	0.09
118	15-02002-0071	K-411-1 Solvent Based Release Coating	Star Technology	Coating	Solvent Shed	3828			6.00	97%	100%	1.86	3.26
368		Solvent 140-66 Parts Washer	Ashland Chemical	Solvent	Maintenance: Main & Detroit	2004	304	0.79	6.59	100%	100%	1.00	1.76
541		S-2579 Solvent Blend	Superior Solvents and Chemicals	Solvent	Solvent Shed	7339		1.00	8.35	100%	100%	3.67	6.44
173	15-02002-0063	Cimmarron A.W. 68 Hydraulic Oil	Austin Petroleum	Oil		13650	1880	0.87	7.26	1%	100%	0.07	0.12
180		Chem Crest 275	Crest Ultrasonics Corp	Solvent		912	80	1.37	11.40	0.5%	100%	0.00	0.00
										TOTALS		**11.40**	**20.01**
	Element Manufacturing Area: 6 Ovens												
New		Methanol	Fisher Scientific	Solvent	Element Manufacturing	14	2.1	0.79	6.60	100%	100%	0.01	0.01
New		Multi Purpose Thinner 1556	Grow Automotive	Solvent	Element Manufacturing	77	12.0	0.77	6.44	67%	100%	0.03	0.03
										TOTALS		**0.03**	**0.04**

TOTAL	**12.10**	**21.21**

Wabash Technologies
Swan Street Facility
VOC and HAP Emissions

CS MSDS #	Internal Part #	Product Name	HAPs (maxium wt. %'s) 4,4'-Methylene dianiline	Phenol	Formalde-hyde	MEK	Chromium Comp	Antimony Comp	Toluene	Hexane	Methanol	Xylene	Ethyl Benzene
	Compound Room: Pill Manufacturing												
8	12-00001-0006	D.E.R. 330 Epoxy Resin											
9	12-00001-0007	Araldite DY 023 Epoxy Resin Reactive Diluent											
10	12-00001-0026	Epon Epoxy Resin 8280											
16	12-00002-0008	D.E.H. 24 Epoxy Curing Agent											
52	12-0006-0006	GP 5833 Epoxy Hardener, BRWE-5833		2%	0.1%								
	9 Production Lines												
67	12-00113-0024	94-003 Dispersion Coating				40%							
86	12-00130-0001/0002	PTA Amodel 1133HS 025.00:1 Yellow					17%	17%					
88	15-01001-0002/0010	1544 Rosin Soldering Flux											
97	15-02002-0002	IPA - Anhydrous											
101	15-02002-0012	Methyl Ethyl Ketone				100%							
108	15-02002-0038	SP-731 Solvent Blend											
109	15-02002-0039	H-608-C Solvent				78%							
118	15-02002-0071	K-411-1 Solvent Based Release Coating											
368		Solvent 140-66 Parts Washer											
541		S-2579 Solvent Blend											
173	15-02002-0063	Cimmarron A.W. 68 Hydraulic Oil											
180		Chem Crest 275											
	Element Manufacturing Area: 6 Ovens												
New		Methanol									100%		
New		Multi Purpose Thinner 1556							16%		3%	3%	4%

TOTAL

Wabash Technologies
Swan Street Facility
VOC and HAP Emissions

CS MSDS #	Internal Part #	Product Name	Actual HAP emissions (tpy) 4,4'-Methylene dianiline	Phenol	Formalde-hyde	MEK	Chromium Comp	Antimony Comp	Toluene	Hexane	Methanol	Xylene	Ethyl Benzene	Combined HAP
	Compound Room: Pill Manufacturing													
8	12-00001-0006	D.E.R. 330 Epoxy Resin	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	12-00001-0007	Araldite DY 023 Epoxy Resin Reactive Diluent	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	12-00001-0026	Epon Epoxy Resin 8280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	12-00002-0008	D.E.H. 24 Epoxy Curing Agent	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52	12-0006-0006	GP 5833 Epoxy Hardener, BRWE-5833	0.000	0.045	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047
			0.000	**0.045**	**0.002**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.047**
	9 Production Lines													
67	12-00113-0024	94-003 Dispersion Coating	0.000	0.000	0.000	0.083	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.083
86	12-00130-0001/0002	PTA Amodel 1133HS 025.00 1 Yellow	0.000	0.000	0.000	0.000	1.022	1.022	0.000	0.000	0.000	0.000	0.000	2.045
88	15-01001-0002/0010	1544 Rosin Soldering Flux	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97	15-02002-0002	IPA - Anhydrous	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101	15-02002-0012	Methyl Ethyl Ketone	0.000	0.000	0.000	0.689	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.689
108	15-02002-0038	SP-731 Solvent Blend	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109	15-02002-0039	H-608-C Solvent	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
118	15-02002-0071	K-411-1 Solvent Based Release Coating	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
368		Solvent 140-66 Parts Washer	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
541		S-2579 Solvent Blend	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173	15-02002-0063	Cimmarron A.W. 68 Hydraulic Oil	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180		Chem Crest 275	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
			0.000	**0.000**	**0.000**	**0.812**	**1.022**	**1.022**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.857**
	Element Manufacturing Area: 6 Ovens													
New		Methanol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.007
New		Multi Purpose Thinner 1556	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.001	0.001	0.001	0.010
			0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.006**	**0.000**	**0.008**	**0.001**	**0.001**	**0.017**

TOTAL	**0.000**	**0.045**	**0.002**	**0.812**	**1.022**	**1.022**	**0.006**	**0.000**	**0.008**	**0.001**	**0.001**	**2.921**

Wabash Technologies
Swan Street Facility
VOC and HAP Emissions

CS MSDS #	Internal Part #	Product Name	PTE HAP (tpy) 4,4'-Methylene dianiline	Phenol	Formalde-hyde	MEK	Chromium Comp	Antimony Comp	Toluene	Hexane	Methanol	Xylene	Ethyl Benzene	Combined HAP
	Compound Room: PIII Manufacturing													
8	12-00001-0006	D.E.R. 330 Epoxy Resin	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	12-00001-0007	Araldite DY 023 Epoxy Resin Reactive Diluent	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	12-00001-0026	Epon Epoxy Resin 8280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	12-00002-0008	D.E.H. 24 Epoxy Curing Agent	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52	12-0006-0006	GP 5833 Epoxy Hardener, BRWE-5833	0.000	0.079	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.083
			0.000	**0.079**	**0.004**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.083**
	9 Production Lines													
67	12-00113-0024	94-003 Dispersion Coating	0.000	0.000	0.000	0.146	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.146
86	12-00130-0001/0002	PTA Amodel 1133HS 025.00.1 Yellow	0.000	0.000	0.000	0.000	1.794	1.794	0.000	0.000	0.000	0.000	0.000	3.588
88	15-01001-0002/0010	1544 Rosin Soldering Flux	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97	15-02002-0002	IPA - Anhydrous	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101	15-02002-0012	Methyl Ethyl Ketone	0.000	0.000	0.000	1.209	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.209
108	15-02002-0038	SP-731 Solvent Blend	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109	15-02002-0039	H-608-C Solvent	0.000	0.000	0.000	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070
118	15-02002-0071	K-411-1 Solvent Based Release Coating	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
368		Solvent 140-66 Parts Washer	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
541		S-2579 Solvent Blend	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173	15-02002-0063	Cimmarron A.W. 68 Hydraulic Oil	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180		Chem Crest 275	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
			0.000	**0.000**	**0.000**	**1.425**	**1.794**	**1.794**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.013**
	Element Manufacturing Area: 6 Ovens													
New		Methanol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.008
New		Multi Purpose Thinner 1556	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.001	0.002	0.002	0.012
			0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.007**	**0.000**	**0.010**	**0.002**	**0.002**	**0.020**

TOTAL	**0.000**	**0.079**	**0.004**	**1.425**	**1.794**	**1.794**	**0.007**	**0.000**	**0.010**	**0.002**	**0.002**	**5.115**

Wabash Technologies
Swan Street Facility
Compound Room Particulate Matter (PM) Emissions

Compound Room PM Emissions	
Floor Dust (lb/yr) - Not Collected by Controls	390
Avg. PM per Dust Collector Drum (lb)	350
No. of Drums Emptied per Year	12
Avg. PM without control (lb/yr)	4590
Avg. PM without control (ton/yr)	2.30
Avg. PM with control (ton/yr)	0.20
Potential PM (ton/yr)	8.05

Wabash Technologies
Swan Street Facility
Silica Sand Handling PM Emissions

*** Silica Sand Purchased in 2000 (lbs)**	143780
Silica Sand Purchased in 2000 (tons)	71.89
**** Emission Factor (lb PM emitted/tons sand handled)**	3.6
Actual PM (lbs/yr)	258.80
Actual PM (tpy)	0.13
PTE PM (tpy)	0.23

* Assumption: Purchases = Usages
** From AP-42, Table 12.10-7

client# 1974

Wabash Technologies
Swan Street Facility
Maxi-Blast Mold Cleaning Systems

3 Maxi-Blast Mold Cleaning Systems that are enclosed and operated pneumatically.

** Emission Factor (lb PM/lb abrasive)	0.01
** Flow Rate (lb/hr)	94.348
Fraction of Time of Wet Blasting	0%
Number of Nozzles	3
Uncontrolled PM Emissions (lb/hr)	2.83
Uncontrolled PM Emissions (ton/yr)	12.40
Control Efficiency	90%
Controlled PM Emissions (ton/yr)	1.24

* Taken from Current Registration's TSD (Registration # 069-7272-00054)

client# 1974

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Swan Street Facility
Total Emissions from All Combustion Units

Natural Gas Fired Combustion Units
All units are uncontrolled, no low NOx burners, no flue glas recirculations

			Input Needed
Maximum BTU rating	4.8	MM BTU/hr	Input can be changed
Gas BTU rating	1000	BTU/scf	
Potential Gas Usage	42,048,000	cubic feet	do this only if you have in therms and need cubic ft.
Actual Gas Usage	4,029,700	cubic feet	Therms 0 Cubic Ft 0 put in other B8

Large Boilers > 100 MMBTU/hr	PM	CO	NOx	SO2	VOC (no methane)
Potential (lb/yr)	0	0	0	0	0
Potential (tons/yr)	0	0	0	0	0
Actual (lb/yr)	0	0	0	0	0
Actual (tons/year)	0	0	0	0	0

Small Industrial Boilers 10-100	PM	CO	NOx	SO2	VOC (no methane)
Potential (lb/yr)	0	0	0	0	0
Potential (tons/yr)	0	0	0	0	0
Actual (lb/yr)	0	0	0	0	0
Actual (tons/year)	0	0	0	0	0

Commercial Boilers 0.3-<10	PM	CO	NOx	SO2	VOC (no methane)
Potential (lb/yr)	504.576	883.008	4204.8	25.2288	222.0134
Potential (tons/yr)	0.252288	0.441504	2.1024	0.012614	0.111007
Actual (lb/yr)	48.3564	84.6237	402.97	2.41782	21.27682
Actual (tons/year)	0.024178	0.042312	0.201485	0.001209	0.010638

Residential Furnaces <0.3 MMbtu/hr	PM	CO	NOx	SO2	VOC (no methane)
Potential (lb/yr)	0	0	0	0	0
Potential (tons/yr)	0	0	0	0	0
Actual (lb/yr)	0	0	0	0	0
Actual (tons/year)	0	0	0	0	0

Wabash Technologies
Swan Street Facility
Typical Hours of Operation and Maximum Throughputs

Process	Average Throughput	Actual Operating Hours	Maximum Operating Hours	Maximum Throughput	Units of Throughput
Elemental Manufacturing	4,546,796	7488	8760	5,319,168	units
3 Honda Lines	538,868	4992	8760	945,610	units
Wabash National Line	11,643	4992	8760	20,431	units
Lynx/Puma Line	10,741	4992	8760	18,848	units
2 Ford Lines	6,086,694	4992	8760	10,680,977	units
Saturn Line	265,868	4992	8760	466,547	units
Heavy Vehicle Line (CAT, Ram, John Deere, Eaton, Ford, Cummins, Delphi, etc.)	4,217,646	4992	8760	7,401,158	units
4 Pill Making Machines	1,000,000	4992	8760	1,754,808	lb epoxy pills processed
Grinding Process	1,000,000	4992	8760	1,754,808	lb solidified epoxy ground
Mixer	1,250,000	2496	2920	1,462,340	lb epoxy compound mixed
Silica Silo	143,780	4992	8760	252,306	lb silica purchased
3 Maxi-Blast	590	4992	8760	1,035	lb beads purchased